

# **Installation & Operations Manual**

I VERSION

Master-Bilt Products 908 Highway 15 North New Albany, MS 38652 Phone: (800) 684-8988

> PN 303-90000 Rev 1/25/05\_ bhs





# TABLE OF CONTENTS

	4
WARNING LABELS AND SAFETY INSTRUCTIONS	4 5
PRE-INSTALLATION INSTRUCTIONS	6
Inspection for Shipping Damage	6
INSTALLATION INSTRUCTIONS	6
General Instructions	6
Mechanical	7
Electrical	7
Leg and Condensate Pan Installation	8
Doors	8
SERVICE INSTRUCTIONS	•
TEMPERATURE SENSOR, DEFROST HEATER AND FAN MOTOR REPLACEMENT	9
ELECTRONIC REFRIGERATION CONTROL (ERC)	10
FINAL CHECK LIST	15
SENSOR PROBE	15
MASTER-BILT PART NUMBERS	16
ACCESSORIES	17
SALE AND DISPOSAL	17
WIRING DIAGRAMS BLG/TLG	18



## INTRODUCTION

Thank you for purchasing a Master-Bilt cabinet. This manual contains important instructions for installing, using, and servicing a Master-Bilt **BLG/TLG** case. A parts list is included with this manual. Read all these documents carefully before installing or servicing your equipment.

## **STORE CONDITIONS**

The Master-Bilt **BLG/TLG** cases are designed to operate in the controlled environment of an air-conditioned store. The store temperature should be at or below 75°F and a relative humidity of 55% or less. At higher temperature or humidity conditions, the performance of these cases may be affected and the capacity diminished.

The Master-Bilt **BLG/TLG** should not be positioned where it is directly exposed to rays of sun or near a direct source of radiant heat or airflow. This will adversely affect the case and will result in poor performance.

If this case is to be located against a wall, there should be at least 6" space between the wall and the back of the case. This space will allow for the circulation of air behind the case, which will prevent condensation on the exterior surfaces.



# NOTICE

Read this manual before installing your cabinet. Keep the manual and refer to it before doing any service on the equipment. Failure to do so could result in personal injury or damage to the cabinet.



Improper or faulty hook-up of electrical components on the refrigeration units can result in severe injury or death.

All electrical wiring hook-ups must be done in accordance with all applicable local, regional or national standards.



Installation and service of the refrigeration and electrical components of the cabinet must be performed by a refrigeration mechanic and/or a licensed electrician.

The portions of this manual covering refrigeration and electrical components contain technical instructions intended only for persons qualified to perform refrigeration and electrical work. This manual cannot cover every installation, use or service situation. If you need additional information, call or write us:

Customer Service Department Master-Bilt Products Highway 15 North New Albany, MS 38652 Phone (800) 684-8988 Fax (800) 684-8988



# WARNING LABELS AND SAFETY INSTRUCTIONS



This symbol is the safety-alert symbol. When you see this symbol on your cabinet or in this manual, be alert to the potential for personal injury or damage to your equipment.

Be sure you understand all safety messages and always follow recommended precautions and safe operating practices.



You must make sure that everyone who installs, uses or services your cabinet is thoroughly familiar with all safety information and procedures.

Important safety information is presented in this section and throughout the manual. The following signal words are used in the warnings and safety messages:

DANGER: Severe injury or death will occur if you ignore the message.

WARNING: Severe injury or death can occur if you ignore the message.

**CAUTION:** Minor injury or damage to your cabinet can occur if you ignore the message.

**NOTICE:** This is important installation, operation or service information. If you ignore the message, you may damage your cabinet.

The warning and safety labels shown throughout this manual are placed on your Master-Bilt Products cabinet at the factory. Follow all warning label instructions. If any warning or safety labels become lost or damaged, call your customer service department at (800) 684-8988 for replacements.



This label is located on top of the electrical control label and on the wiring channel.



This label is attached to the cabinet power cord on models with a power cord.



## **PRE-INSTALLATION INSTRUCTIONS**

#### **INSPECTION FOR SHIPPING DAMAGE**

You are responsible for filing all freight claims with the delivering truck line. Inspect all cartons and crates for damage as soon as they arrive. If damage is noted to shipping crates or cartons or if a shortage is found, note this on the bill of lading (all copies) prior to signing.

If damage is discovered when the cabinet is uncrated, immediately call the delivering truck line and follow up the call with a written report indicating concealed damage to your shipment. Ask for an immediate inspection of your concealed damage item. Crating material <u>must</u> be retained to show the inspector from the truck line.

## INSTALLATION INSTRUCTIONS

#### **GENERAL INSTRUCTIONS**

1. Be sure the equipment is properly installed by competent service people.

2. Keep the equipment clean and sanitary so it will meet your local sanitation codes. Clean the cabinet with a mild detergent and water, then rinse.

3. Rotate your stock so that older stock does not accumulate. This is especially important for ice cream. A "First-In, First-Out" rotation practice will keep the products in good salable condition.

4. Do not place product in the case when it is soft or partially thawed. Also, product should not be put in the case for at least 6 hours after it is started.

5. Stock cases as quickly as possible, exposing only small quantities to store temperatures for short periods of time.

6. When replacing burned out fluorescent tubes, be sure that the electrical power to the lighting circuit is turned off.

7. Do not stack product against the back wall. This will result in diminished performance and warm temperatures on the lower shelves.

#### NOTICE TO STORE OWNERS / MANAGERS



## WARNING!

Moisture or liquid around or under the cabinet is a potential slip/fall hazard for persons walking by or working in the general area of the cabinet. Any cabinet malfunction or housekeeping problem that creates a slip/fall hazard around or under the cabinet should be corrected immediately.

If moisture or liquid is observed around or under a Master-Bilt cabinet, an immediate investigation should be made by qualified personnel to determine the source of the moisture or liquid. The investigation should determine if the cabinet is malfunctioning or if there is a drainpipe leaking.



Do not stack product against the back wall. This will result in diminished performance and warm temperatures on the lower shelves.



#### MECHANICAL

Remove front grille and check refrigeration lines to see that they are free (not touching each other or compressor). Spin condenser fan blade to see that it is free.

Check that all service values (2) are open. The springs are secured for shipping by either tightening bolts. Loosen the hold-down bolts so that the compressor floats freely. Check all refrigeration lines and electrical conduit for rubbing or chaffing, paying particular attention to area where lines enter the cabinet.

Remove cabinet from crate base and slide into location. Cabinet must be level from side to side and front to back for correct draining of coil pan and for self-closing doors to operate correctly. Allow minimum of 4" between back of cabinet and wall and between top of cabinet and ceiling for proper condensing unit air circulation.

To comply with Sanitation requirements the cabinet must be mounted on legs (6" high min.) or casters or the base must be sealed to the floor (BLG) with an N.S.F. listed silicone sealant.

#### ELECTRICAL



# Before servicing electrical components in the case or the doors or door frames make sure all power to case is off. Always use a qualified technician.

Check voltage and amps drawn on the data label to determine proper line and fuse or circuit breaker size. Check power supply for low voltage. If voltage reads "230" with no load, and it drops below "207" when the compressor tries to start, it is an indication of too small supply wiring or too long to run.

It is recommended that a separate circuit be run for each cabinet to prevent another appliance blowing the fuse or breaker, causing loss of product.

#### IMPORTANT

This cabinet is wired for 208-230, 4 wire with ground. Use NEMA L14-20R recepticle.

The cabinet must be grounded!



## LEG AND CONDENSATE PAN INSTALLATION FOR TOP MOUNT CABINETS ONLY

- 1. Screw legs into existing crate mounting holes.
- 2. Before moving cabinet into place, remove the condensate pan from the top unit compartment.
- 3. Using the two screws supplied with the pan, attach the pan to the back of the cabinet at the two holes near the bottom of the plastic drain line. Be sure pan is NOT located directly under cabinet. When the pan is attached, feed drain line into the open hole in screen and clamp the heater conduit to the back of the cabinet. Due to this condensate pan, this case must be a minimum of 6" from the wall.

4. If cabinet must be located next to wall, the pan can be located



under the cabinet. When this is done, steam will accumulate on the bottom of the cabinet if there is not adequate ventilation, and rusting of the bottom of the cabinet will occur.

## DOORS

The **BLG/TLG** cabinets have Anthony glass doors that are equipped with a patented TorqueMaster<sup>™</sup> hinge system. The doors are easily adjusted using a flathead screwdriver (Fig.3).







To remove the door shipping clamps, remove the 4 shipping screws from the grill and remove the screws from the clamps (Fig.4), and replace grill.

Figure 4



## SERVICE INSTRUCTIONS

- 1. High head pressure and high back pressure:
  - A. Condenser coil clogged or restricted
  - B. Condenser fan motor defective.
  - C. Air discharge in rear of cabinet restricted.
- 2. Low back pressure and low head pressure:
  - A. Restriction in system.
  - B. Refrigerant undercharged.
  - C. Leak in system
- 3. Pressure normal cabinet warm:
  - A. Coil blocked with frost (see #4).
  - B. Refrigerant undercharged.
  - C. Control set too warm.
- 4. Cabinet not cycling coil blocked with frost:
  - A. Defective temperature controller.
  - B. Refrigerant overcharged.
  - C. Location too hot.
  - D. Condenser clogged.
  - E. Condenser fan motor defective.
  - F. Defrost heater not operating.
- 5. Copressor starts and runs but cycles on overload:
  - A. Low voltage
  - B. Relay defective.
  - C. Overload defective.
  - D. High head pressure (see #1).

### Temperature sensor, defrost heater and fan motor replacement

Before making any change, technician should:

- 1. Disconnect power to the cabinet
- 2. Remove screws from venturi and pull down



To change a temperature sensor (cabinet zone sensor or defrost termination sensor), simply disconnect the sensor wires from the controller and replace the new sensor in the original position. Use plastic tie to tighten the zone sensor. Insert the sensor for defrost termination firmly into the evaporator coil, in between the fins. Make sure the sensor wires do not touch or are not close to any heater rods.

To change defrost heater – remove screws from drain pan and pull down – remove screws from coil mounting straps – spring straps open – remove heater shield – pull heater out of slots in coil fins.

To change fan motor – disconnect fan motor leads – remove screws from fan guards and motor mounts.



### **ERC 2 – ELECTRONIC REFRIGERATION CONTROL**

#### Programming

The ERC 2 control initially powers up displaying 12:00 AM otherwise it will show the last configured selection (time or temperature). If a power outage occurs during normal operation, the control will maintain the correct time-of-day using a capacitor (batteries are not required). The time will be maintained for up to 100 hours when the capacitor is fully charged.

To initiate a **Manual Defrost**, press and hold the MAN DEF key for 3 seconds.

There are two levels of programming in the ERC 2. The first level of security will enable the user to set two parameters: Time-of-day (CLoC) and Set point temperature (SEt). The other level allows access to the other parameters.

Three buttons are used for the programming: SET, UP and DOWN



Fig. 4 – Display Lay-out



### To change time-of-day and set point temperature (First Level) follows these steps:

Step 1	(E)	Press and hold set for 5 seconds. The display will show CLoC
Step 2	E	Press SET again to change the time-of-day
Step 3	🗟 <sub>or</sub> 😂	Press UP or DOWN until the correct time-of-day is displayed
Step 4	E	Press SET to accept the new time
Step 5	$\boldsymbol{\otimes}$	Press DOWN to go to the next parameter – Set point Temperature - (cut out)
Step 6	E	Press SET to change the set point temperature
Step 7	🗟 <sub>or</sub> 😂	Press UP or DOWN to go to the desired set point. The range is $-40$ to $60^{\circ}$ F or $-40$ to $16^{\circ}$ C
Step 8	E	Press SET to accept the change
Step 9	$\bigotimes$	Press DOWN to exit the first level of programming



<u>Note 1:</u> During programming, if no button is pushed during 30 seconds, the control will go back to the normal operating mode. This is valid for both programming levels.

<u>Note 2:</u> When changing the time, press and hold the MAN DEF button for 3 seconds to change the AM/PM mode.

<u>Note 3:</u> Master-Bilt's Set point Temperature (Set) is set at a recommended  $-10^{\circ}$ F at the factory for low temperature(LT) and  $+35^{\circ}$ F for medium temperature(MT) application.

Note 4: If demand defrost (ddEF) is used, the minimum number of defrost is 1 per 24 hours.

Step 1	🖲 <sub>and</sub> 😂	Press and hold SET and DOWN for 10 seconds. The display will show <b>dSPL</b>
Step 2	(E)	Press SET to change the parameter
Step 3	🗟 <sub>or</sub> 😂	Press UP or DOWN to change the options, time or temperature for the current parameter
Step 4	SED	Press SET to accept the new value
Step 5	$\boldsymbol{\otimes}$	Press DOWN to go to the next parameter, then go back to Step 2. After the last parameter is displayed (ALHi), the display will go back to the normal operating condition

To change the other parameters (Second Level) follow these steps:

Note: to scroll down the parameters without changing them, press the DOWN button.



## List of Parameters

Here is a list of the parameters that can be changed in the Second Level of programming, as well as their options and ranges.

Note:	Master-Bilt's	Set	point	Temperature	(Set)	is	set	at a	recommended	–10°F	at	the
factory	•											

Parameter	Displa	Description	Range / Options	Master-Bilt's
	У			Factory Setting
	Symbo			
Display Status	dSDI	Information shown	tdAy - time-of-day	
Display Status		on the display	$rSP^{\circ} = zope temperature$	rSP
		during operation	$C_{VCI}$ – cycle between time and	
		conditions		
		Contantionio	<b>Fpr</b> <sup>o</sup> – evaporator coil temperature	
Clock Format	CI Hr	Time Format(12 or	12Hr – AM/PM format	12Hr
olook i olinat	•=	24 hours mode)	24Hr – 24 hour format	
Temperature	°dSP	Temperature	°F – degrees Fahrenheit	°F
Format		degrees	°C – degrees Celsius	-
Defrost Type	dFtP	Type of defrost used	ELEC – electric defrost / off cvcle	ELEC
		in the application	HgAS – hot gas defrost	
Fan Status	EFAN	Enable or not the	<b>no</b> – fan is turned off during defrost	No – for LT
During Defrost		fan during defrost	yES – fan remains on during defrost	<b>yES</b> – for MT
Fan Status	CFAN	Enable or not fan during	on – fan on during normal mode	on
During Normal		normal compressor	<b>CyCP</b> – fan cycles with compressor	
Mode	dEin	On/off mode	TdAy, time of day astraint	
Interval	urin	interval	CPrn compressor run time	
IIILEIVAI		Interval	tdEE – temperature initiated defrost	
			ddEF – demand initiated defrost	
Minimum	CoFF	Minimum time that	Range: from 0 to 15 min	2 min.
Compressor		the compressor		
Off Time		remain turned off		
Minimum	Con	Minimum time that	Range: from 0 to 15 min	2 min.
Compressor		the compressor		
On Time		remain turned on		
Alarm Delay	ALrd	Time delay before	Range: from 0 to 59 min	<b>30</b> – for LT
		the alarm goes off		<b>45</b> – for MT
		after the		
		temperature fall		
		off the two alarm		
Compressor	CBrn	Set points		12 for MT
Pup Timo	GFIII			
		hetween defrosts		
Number of	nodF	Number of defrosts	from 0 to 8 (0 means 1 defrost	N/A – for I T
Defrosts	noui	per dav	every 48 hours)	<b>0</b> – for MT
Defrost Start	dEF1-8	Start time of each		N/A
Time		defrost		
Defrost	dEFd	Defrost duration	Range: from 0 min to 4 hours	<b>35</b> – for LT
Duration		time (back-up for		<b>0</b> – for MT
		defrost		
		termination		



		temperature)		
Fan Delay	FAnd	Delay time for the fan after defrost (back-up for fan cut-in temperature)	Range: from 0 to 15 min	2 – for LT 0 – for MT
Pump Down	Pudn	Pump down duration	Range: from 0 to 59 min	0 min.
Drip Time	driP	Drip time duration	Range: from 0 to 59 min	<b>2</b> – for LT <b>0</b> – for MT
Setpoint Differential	diF°	Cut-in temperature differential Note: cut-in is cut- out plus differential	Range: from 1 to 25°	10° F – for LT 7°F – for MT
Temperature Initiated Defrost	tdEF	Temperature that will initiate a defrost cycle	Range: from – 40 to 40°F or – 40 to 4°C	N/A
Defrost Termination Temperature	dEF°	Temperature in the evaporator that will terminate the defrost cycle	Range: from 0 to 75°F or -18 to 25°C	50° F
Fan Cut-In Temperature	FAn°	Temperature in the evaporator that will turn the fan on after defrost	Range: from – 40 to 60°F or – 40 to 23°C	<b>30° F</b> – for LT <b>60°F</b> – for MT
Low Temperature Alarm	ALLo	Low temperature setpoint that will make the alarm go off and the error message appear on the display	Range: from – 40 to 83°F or – 40 to 23°C	-40° F – for LT 32°F – for MT
High Temperature Alarm	ALHi	High temperature setpoint that will make the alarm go off and the error message appear on the display	Range: from – 40 to 83°F or –40 to 23°C	50° F

**Important Note:** To change from degrees **C** to **F** or vice-versa, the user must reprogram all the parameters that are related to the temperature. The unit does not convert the parameters automatically from degrees **F** to **C** or vice-versa.



## Example 1 - To adjust the time-of-day

- Press and hold SET for 5 seconds
- Press SET again
- Press UP or DOWN until the correct time appears on the display
- Press SET to accept the new time
- Press DOWN twice to exit the programming mode
- -

### Example 2 - To set one defrost a day, at 11:59 PM

- Press and hold SET and DOWN for 10 seconds
- Press DOWN five times to get to go to the Defrost Interval (dFIn)
- Press SET to change the parameter
- Press DOWN until tdAy appears on the display
- Press SET to accept the option
- Press DOWN seven times to go to the Number of Defrosts (noDF)
- Press SET to change it
- Press UP or DOWN until 1 appears on the display
- Press SET to accept the change
- Press DOWN to go to Defrost Start Time (dEF1)
- Press SET to change the time
- Press UP or DOWN until the **11:59** PM appears on the display
- Press SET
- Press DOWN ten times to exit the programming level

#### Error Codes

Display	Control Status
Er 1	ERC Fault – software or hardware failure
Er 2	ERC Communication Fault – indicates that there is a problem with the display module cable
Er 3	Zone Sensor Fault – indicates an open or shorted temperature sensor
Er 4	Evaporator Sensor Fault – indicates an open or shorted evaporator sensor
Er 5	ERC Fault – software or hardware failure
Er 6	Low Temperature Alarm – indicates that the temperature has dropped below the low alarm setpoint
Er 7	High Temperature Alarm – indicates that the temperature has gone above the high alarm setpoint
Er 8	Relay and display modules are incompatible

For Error Codes 1, 2 and 5 cut the power to the unit and correct the problem to reset the display.

For Codes 3 and 4, press the UP or DOWN button on the display to reset the error message. If the display still shows the message, the sensor must be replaced.

The Error Codes 6 and 7 will be automatically reset once the temperature is back within the two set points.



## **FINAL CHECK LIST**

- A. Check operating pressures.
- B. Check electrical requirements of unit to supply voltage.
- C. Set temperature control for desired temperature range.
- D. Check sight glass for proper refrigerant charge, if provided.
- E. Check system for proper defrost settings and operation.
- F. Check condensing unit for vibrating or rubbing tubing. Dampen and clamp as required.
- G. All valves should be completely opened counter-clockwise.
- H. Check packing nuts on all service valves.
- I. Replace all service valve caps and latch unit covers.

## SENSOR PROBE

**NOTICE:** If the probe assembly is disconnected from the main board during normal operation (unit running), the connectors must be installed in the same position that they had before disconnection (P1 and P2), otherwise the control will not function properly.

The Electronic Refrigeration Control sensors have NTC thermistors. The reference resistance is 30,000 ohms at  $77^{\circ}F$  ( $25^{\circ}C$ ). It carries NTC thermistors with a range of  $-40^{\circ}$  to  $199^{\circ}F$ . In case there is a failure, these sensors should be used in replacement of the sensors shipped with the control. In order to diagnose faults in the probe, the control has LED functions as a diagnostic tool. When power is supplied to the control, the LED will turn on and will remain on as long as this condition is satisfied. When there is a fault in the probe, the LED will blink intermittently. When this occurs, the probe assembly needs to be replaced. If power is supplied to the control and the LED remains off, there is a failure in the main relay control and it needs to be replaced.

In case of a probe failure, the control will go into a safety mode of operation. While in safety mode the control ignores probe inputs and cycles the compressor on for 5 minutes and off for 3 hours. The LED will be blinking and signaling that there is something wrong with the probe. To replace the sensor probes, disconnect power to the control, replace the probes and restart the unit. Since the wire is fixed to the cabinet, a technician may cut the sensor wire inside the cabinet and splice it with a new sensor.

#### SENSOR PROBE TEMPERATURE AND RESISTANCE

Temp	erature	Resistance		
°F	٥C	Ohms		
-29.2	-34	683,100		
-20.2	-29	499,200		
-9.4	-23	347,100		
-0.4	-18	259,500		
10.4	-12	185,200		
19.4	-7	141,200		
30.2	-1	103,100		
32.0	0	97,950		
39.2	4	80,040		
50.0	10	59,700		
60.8	16	45,000		
69.8	21	35,820		
80.6	27	27,500		
89.6	32	22,210		



# MASTER-BILT PART LIST

The table below gives Master-Bilt part numbers. Use this chart when ordering replacement parts for your **BLG/TLG** cabinets. Always Advise Cabinet Serial Number When Ordering Parts

Description	BLG/TLG-	BLG/TLG-	BLG/TLG-	BLG/TLG-	BLG/TLG-
	27HD	48HD	52HD	74HD	80HD
Ballast	23-01480	23-01480	23-01480	23-01480	23-01480
Bulb	23-00330	23-00330	23-00330	23-00330	23-00330
Bulb Holder Bottom	23-01535	23-00335	23-00335	23-00335	23-00335
Bulb Holder Top	23-01536	23-00336	23-00336	23-00336	23-00336
Bulb Shield	23-01462	23-01462	23-01462	23-01462	23-01462
Coil Defrost Heater	17-00442	17-09076	17-09076	17-01311	17-01311
Compressor	03-14405	03-14404	03-14404	03-14242	03-14242
Condensate Heater "B"	17-00380				
Condensate Heater "T"	17-00380	17-00421	17-00421	17-00421	17-00421
Condenser Coil	07-13076	07-13090	07-13090	07-13090	07-13090
Condenser Fan Blade	15-13093	15-13093	15-13093	15-13093	15-13093
Condenser Fan Guard	321-17007				
Condenser Fan Motor	13-01283	13-01283	13-01283	13-01283	13-01283
Controller Kit*	19-13761	19-13761	19-13761	19-13761	19-13761
10' Cable	19-13760	19-13760	19-13760	19-13760	19-13760
Controller Display	19-13756	19-13756	19-13756	19-13756	19-13756
T-Sensor (2)	19-13758	19-13758	19-13758	19-13758	19-13758
CRO Valve	09-00992				
Door-L.H.	31-01616	31-01612	31-01608	31-01612	31-01608
Door-R.H.		31-01613	31-01611		
Door Frame Heater	17-00443	17-09089	17-00401	17-09089	17-00401
Door Trim	29-01379	29-01379	29-01379	29-01379	29-01379
Door Line Heater	17-00404	17-00404	17-00404	17-00404	17-00404
Drier	09-09171	09-09506	09-09506	09-09506	09-09506
Evaporator Coil	07-00750	07-13084	07-13084	07-00756	07-00756
Evaporator Fan Blade	15-01184	15-01184	15-01184	15-01184	15-01184
Evaporator Fan Guard	25-00205	25-00205	25-00205	25-00205	25-00205
Evaporator Fan Motor	13-00683	13-00683	13-00683	13-00683	13-00683
Expansion Valve	09-09542	09-09698	09-09698	09-09698	09-09698
Female Door Plug	29-00568	21-00568	21-00568	21-00568	21-00568
Female Plug	21-00577	21-00577	21-00577	21-00577	21-00577
Front Control	19-01288	19-01288	19-01288	19-01288	19-01288
Heater Safety Control	19-01307	19-01307	19-01307	19-01307	19-01307
Lamp Switch	19-13118	19-13118	19-13118	19-13118	19-13118
Leg (TLG only)	27-00558	27-00558	27-00558	27-00558	27-00558
Light Switch	19-13118	19-13118	19-13118	19-13118	19-13118
Receiver Tank	09-01162				
Sight Glass		09-09505	09-09505	09-09505	09-09505
Terminal Block		19-01091	19-01091	19-01091	19-01091
Vibration Eliminator		09-00140	09-00140	09-00140	09-00140
Wall Guard-14-1/16"		25-01296		25-01296	
Wall Guard-15-7/8"	25-01294		25-01294		25-01294
Wall Guard-18-3/4"		25-01295	25-01295	25-01295	25-01295

\*The control kit has an optional Alarm Transformer for 115 volts (part #19-13190), 230 volts (part #19-13190), and Buzzer (part# 19-13759)



## **Accessories (Includes HD Models)**

Description	BLG/TLG-27HD	BLG/TLG-48HD	BLG/TLG-52HD	BLG/TLG-74HD	BLG/TLG-80HD
Baskets (Cantilever) 20" X 22" X 5"		33-01458		33-01458	
Baskets (Conventional) 22"X 22-3/4"X 5"		33-01419		33-01419	
Baskets (Conventional) 24-3/4"X22"X5"			33-01376		33-01376
Casters (4) 3" Diameter	A200-11140	A200-11140	A200-11140		
Casters (6) 3" Diameter				A212-11140	A212-11140
Legs 6"	A200-11170	A200-11170	A200-11170	A212-11170	A212-11170
Shelves (Cantilever)	33-01467	33-01468	33-01469	33-01468	33-01469
Shelves (Conventional)	33-01115	33-01390	33-00105	33-01390	33-00105
Shelving Clips (4)	33-01011	33-01011	33-01011	33-01011	33-01011

## SALE AND DISPOSAL

#### **OWNER RESPONSIBILITY**

If you sell or give away your Master-Bilt cabinet you must make sure that all safety labels and the Installation -Service Manual are included with it. If you need replacement labels or manuals, Master-Bilt will provide them free. Contact the customer service department at Master-Bilt at (800) 684-8988.

The customer service department at Master-Bilt should be contacted at the time of sale or disposal of your cabinet so records may be kept of its new location.













